



Western Michigan University
ScholarWorks at WMU

Cumulative Michigan COVID-19 Data

Michigan COVID-19 State Data

10-23-2020

2020-10-23_MichiganOverview_COVIDstats

Michigan Department of Health & Human Services

Follow this and additional works at: <https://scholarworks.wmich.edu/michigan-covid-data-state-cumulative>



Part of the Public Health Commons

WMU ScholarWorks Citation

Michigan Department of Health & Human Services, "2020-10-23_MichiganOverview_COVIDstats" (2020).
Cumulative Michigan COVID-19 Data. 209.

<https://scholarworks.wmich.edu/michigan-covid-data-state-cumulative/209>

This Website is brought to you for free and open access
by the Michigan COVID-19 State Data at ScholarWorks at
WMU. It has been accepted for inclusion in Cumulative
Michigan COVID-19 Data by an authorized administrator
of ScholarWorks at WMU. For more information, please
contact wmu-scholarworks@wmich.edu.



Coronavirus



CORONAVIRUS / MICHIGAN DATA

Michigan Data

DATA ABOUT
PLACES

LONG TERM CARE FACILITIES

CORONAVIRUS
SYMPTOMS

CUMULATIVE
RECOVERED

OUTBREAK
REPORTING



SCHOOL-RELATED
OUTBREAK REPORTING



CURRENT STATUS

DAILY CASES

CUMULATIVE TRENDS

DEMOGRAPHICS

TOTAL TESTING

DIAGNOSTIC TESTING

LEARN MORE

View Cases

View Deaths

View Table

Select Preparedness Region:

All

Select County:

All

COVID-19 Cases by County

Confirmed cases include individuals with a positive diagnostic test for COVID-19. Probable cases include individuals with COVID-19 symptoms and an epidemiologic link to confirmed COVID-19, but no diagnostic test.

Cases by County

9-61

62-347

348-2540

2541-24024

24025+

Michigan

Friday, October 23, 2020

Michigan (Statewide) Case Fatality Rate

4.6%

Current Totals

Case Status	Cases	Deaths
Confirmed	154,688	7,147
Probable	17,434	337
Total	172,122	7,484

Laboratory Testing

Test Type	Tests Performed
Diagnostic	4,565,069
Serology	318,590
Total	4,883,659

This report is provisional and subject to change. City of Detroit and Wayne County are reported separately. MDHHS began tracking probable cases April 5, 2020. FCI indicates federal correctional institute. MDOC indicates Michigan Department of Corrections. Diagnostic tests, including nucleic acid amplification/real-time polymerase chain reaction (NAAT/RT-PCR) and rapid virus antigen detection point of care (POC) tests, look for current infection. Serology (antibody) tests are used to look for the possibility of previous infection.

Source: Michigan Disease Surveillance System (MDSS) and Vital Records.

Microsoft Power BI



Q

X

Cases by Hispanic/Latino Ethnicity		
Hispanic/Latino Ethnicity	Percentage of Overall Cases by Ethnicity	Percentage of Deceased Cases by Ethnicity
Hispanic/Latino	8%	2%
Non-Hispanic Latino	72%	86%
Unknown	21%	12%



Totals may not add to 100% due to rounding

Cases by Arab Ethnicity

Arab Ethnicity	Percentage of Overall Cases by Ethnicity	Percentage of Deceased Cases by Ethnicity
Arab	4%	2%
Non-Arab	58%	49%
Unknown	38%	49%

Totals may not add to 100% due to rounding

PUBLIC USE DATASETS 10/23/2020

(Downloadable .xlsx files)

Cases and Deaths by County

Cases and Deaths by County by Date

Cases by Demographics Statewide

COVID-19 Tests by County

Diagnostic Tests by Result and County

Cumulative Total of Recovered COVID-19 Cases

Cumulative Total of Recovered COVID-19 Cases (as of 10/17/2020): 109,539

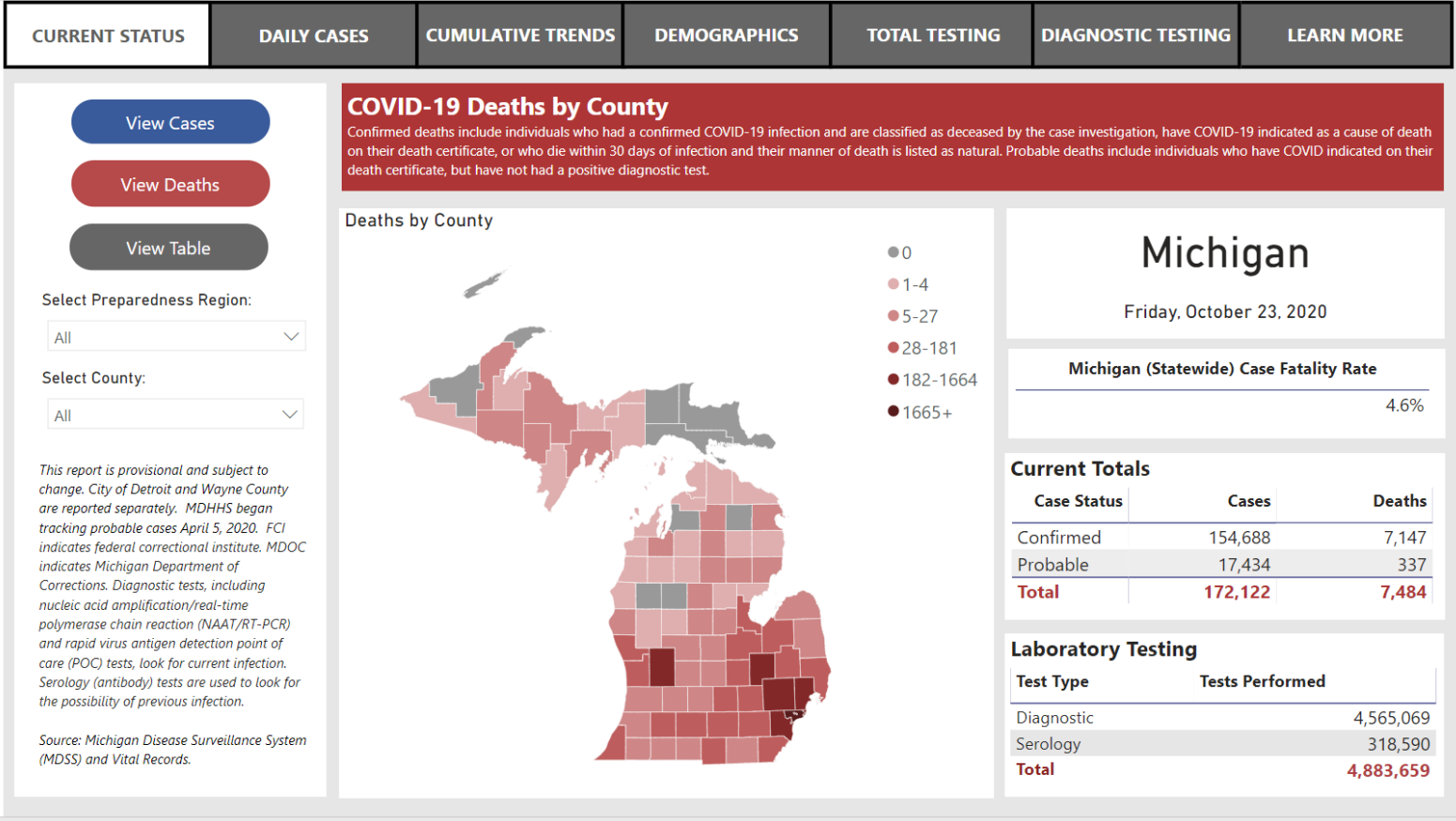
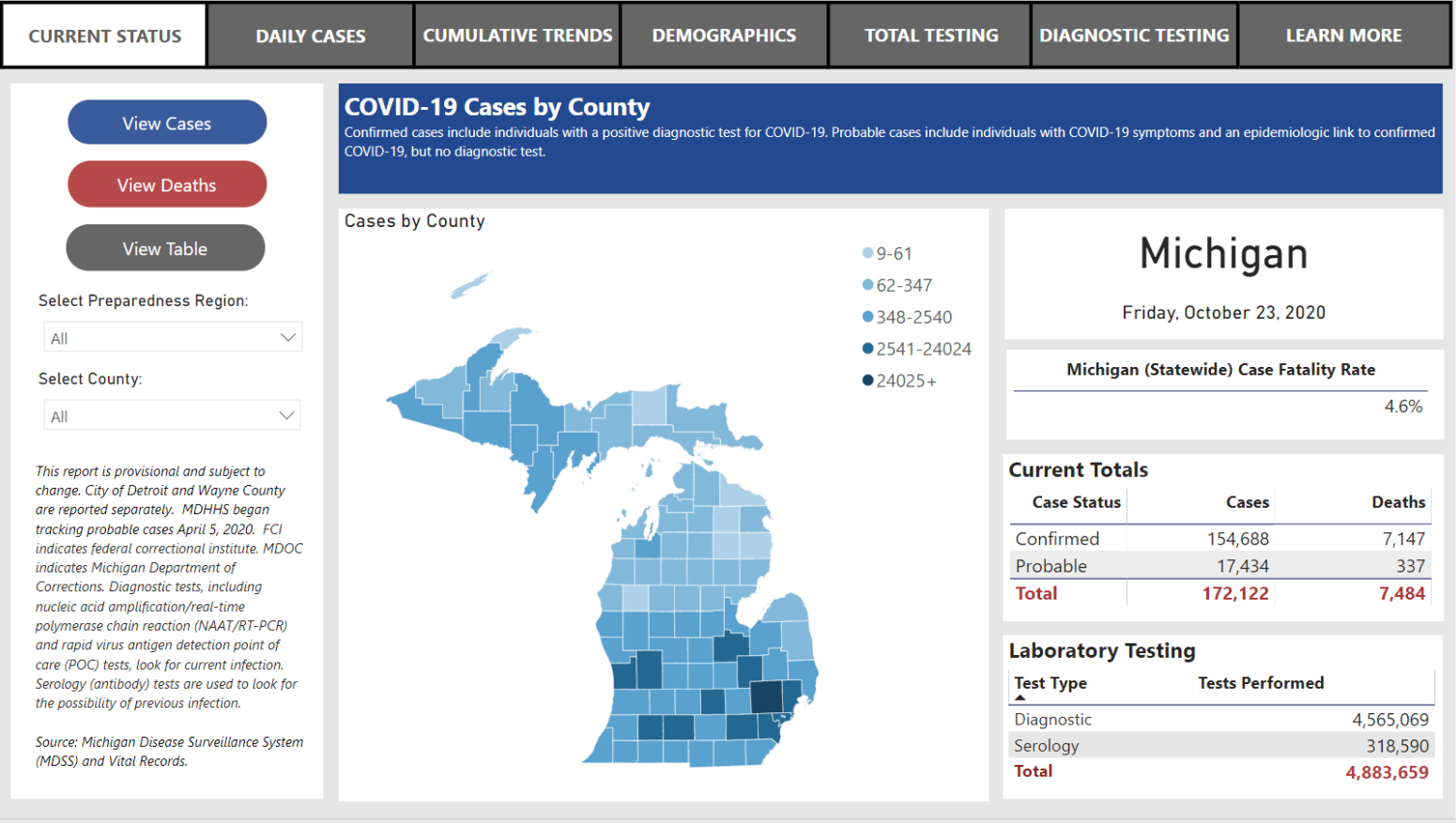
Note on recovery: During this response, MDHHS is reviewing vital records statistics to identify any laboratory confirmed COVID-19 cases who are 30 days out from their onset of illness to represent recovery status. As the pandemic continues to impact Michigan, this pool will expand to include more cases. Recovered is defined as the number of persons with a confirmed COVID-19 diagnosis who are alive 30 days post-onset (or referral date if onset is not available). The number of persons recovered on October 16, 2020 represents COVID-19 confirmed individuals with an onset date on or prior to September 16, 2020. If an individual dies from a COVID-related cause >30 days from onset/referral, they are removed from the number of persons recovered. These numbers will be updated every Saturday.

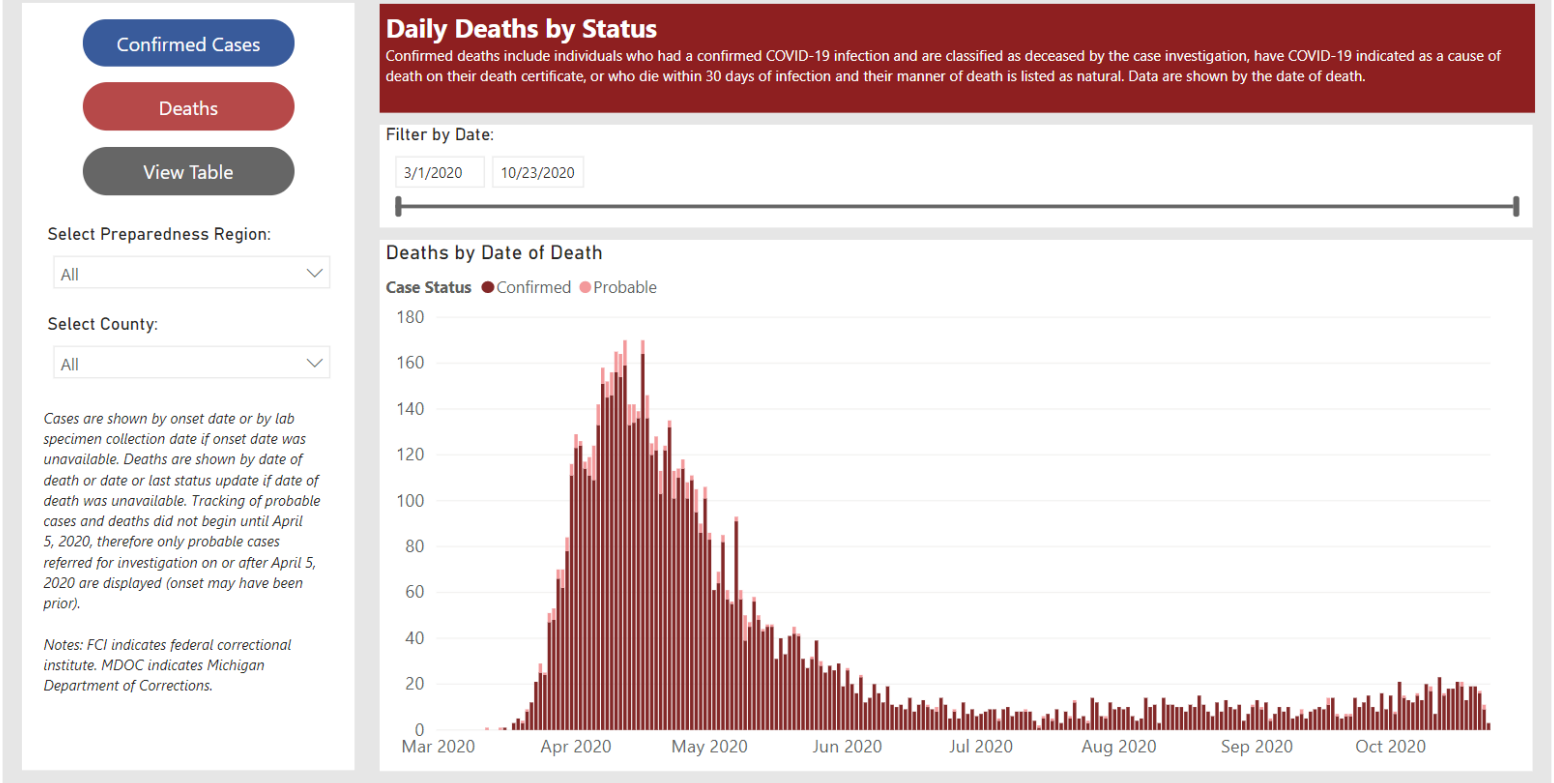
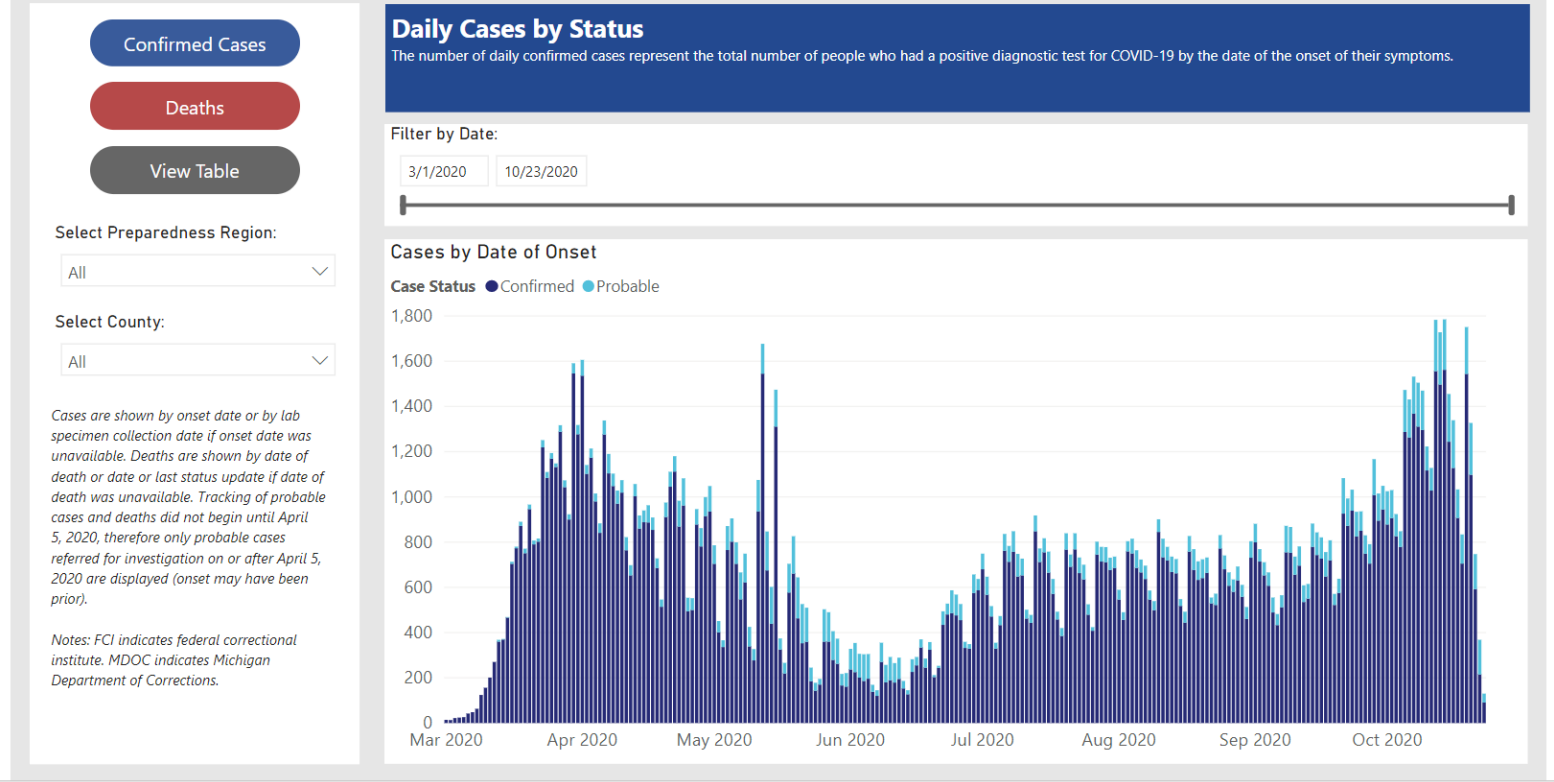
Source: Michigan Disease Surveillance System and Vital Records

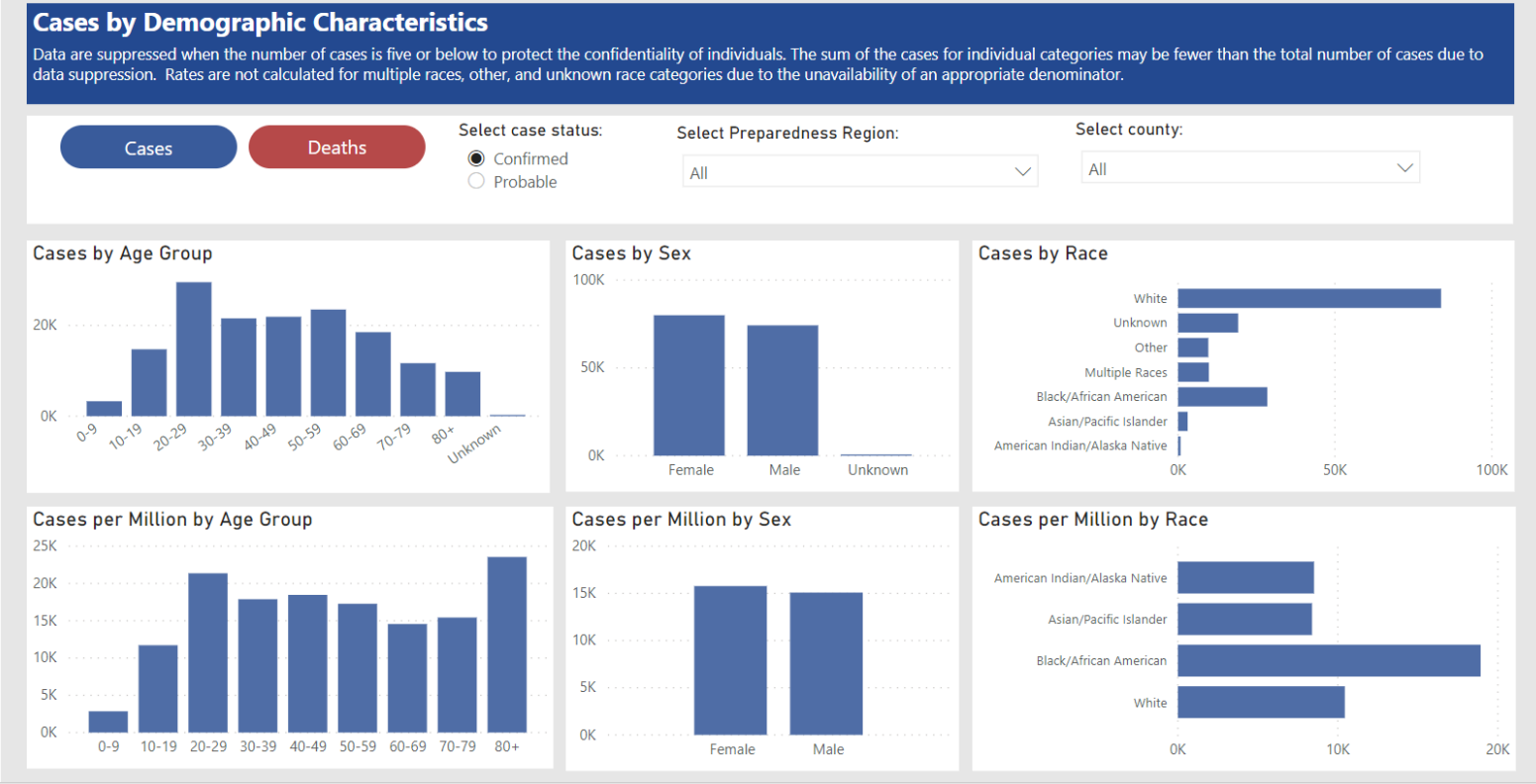
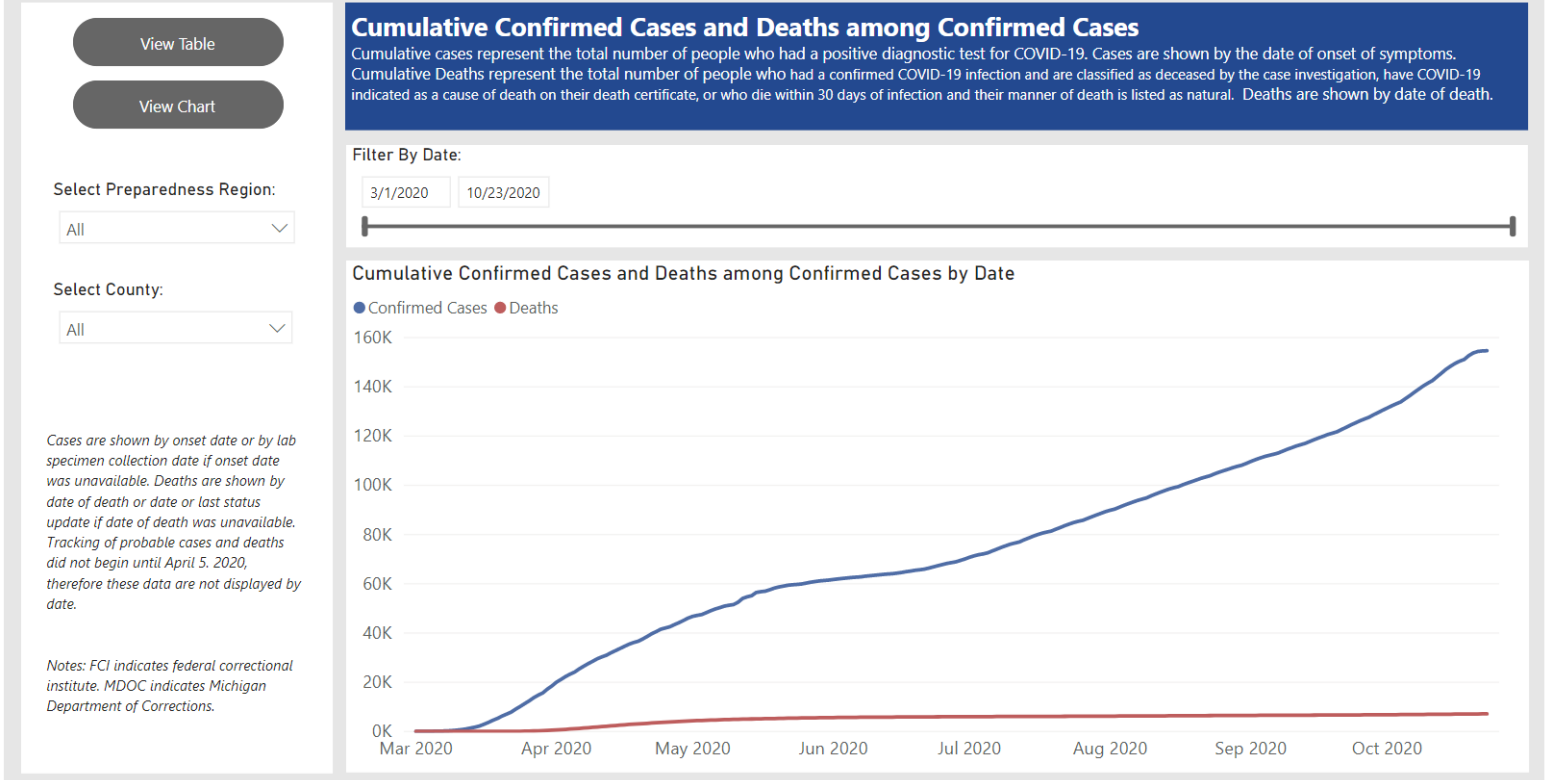


MICHIGAN.GOV HOME
ADA ●
MICHIGAN NEWS
POLICIES









Cases by Demographic Characteristics

Data are suppressed when the number of cases is five or below to protect the confidentiality of individuals. The sum of the cases for individual categories may be fewer than the total number of cases due to data suppression. Rates are not calculated for multiple races, other, and unknown race categories due to the unavailability of an appropriate denominator.

Cases

Deaths

Select case status:

Confirmed

Probable

Select Preparedness Region:

All

Select county:

All



Deaths by Demographic Characteristics

Data are suppressed when the number of deaths is five or below to protect the confidentiality of individuals. The sum of the deaths for individual categories may be fewer than the total number of deaths due to data suppression. Rates are not calculated for multiple races, other, and unknown race categories due to the unavailability of an appropriate denominator.

Cases

Deaths

Select case status:

Confirmed

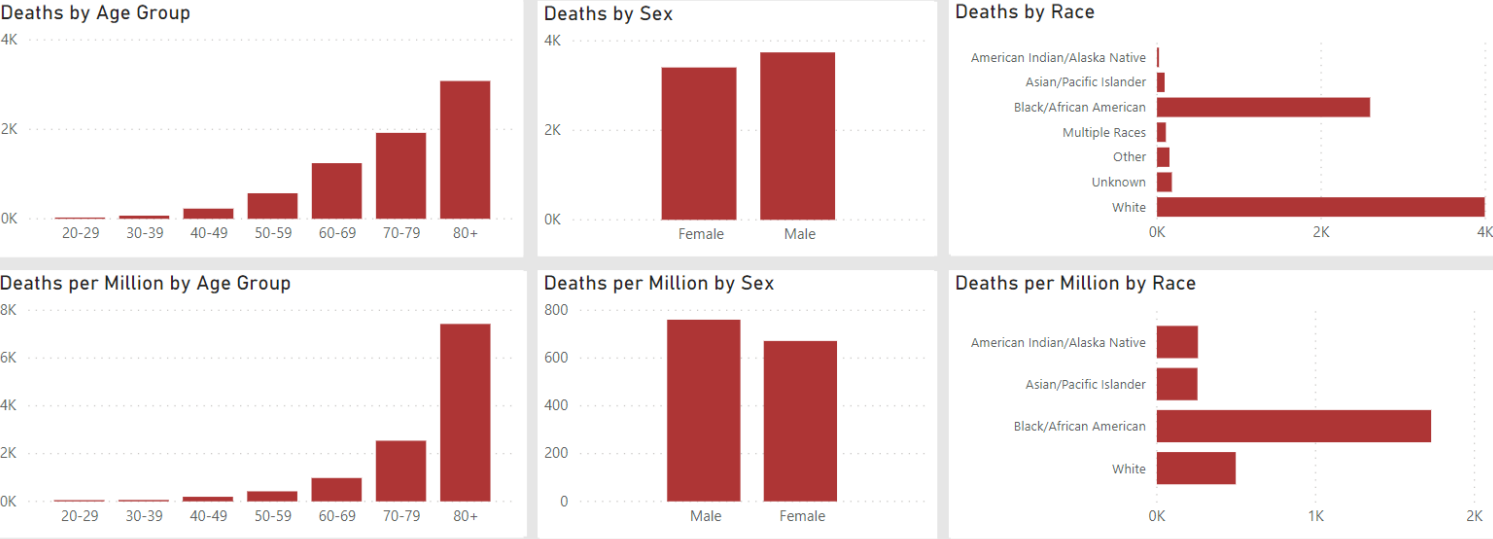
Probable

Select Preparedness Region:

All

Select county:

All



Deaths by Demographic Characteristics

Data are suppressed when the number of deaths is five or below to protect the confidentiality of individuals. The sum of the deaths for individual categories may be fewer than the total number of deaths due to data suppression. Rates are not calculated for multiple races, other, and unknown race categories due to the unavailability of an appropriate denominator.



View Table

View Charts

Select Preparedness Region:

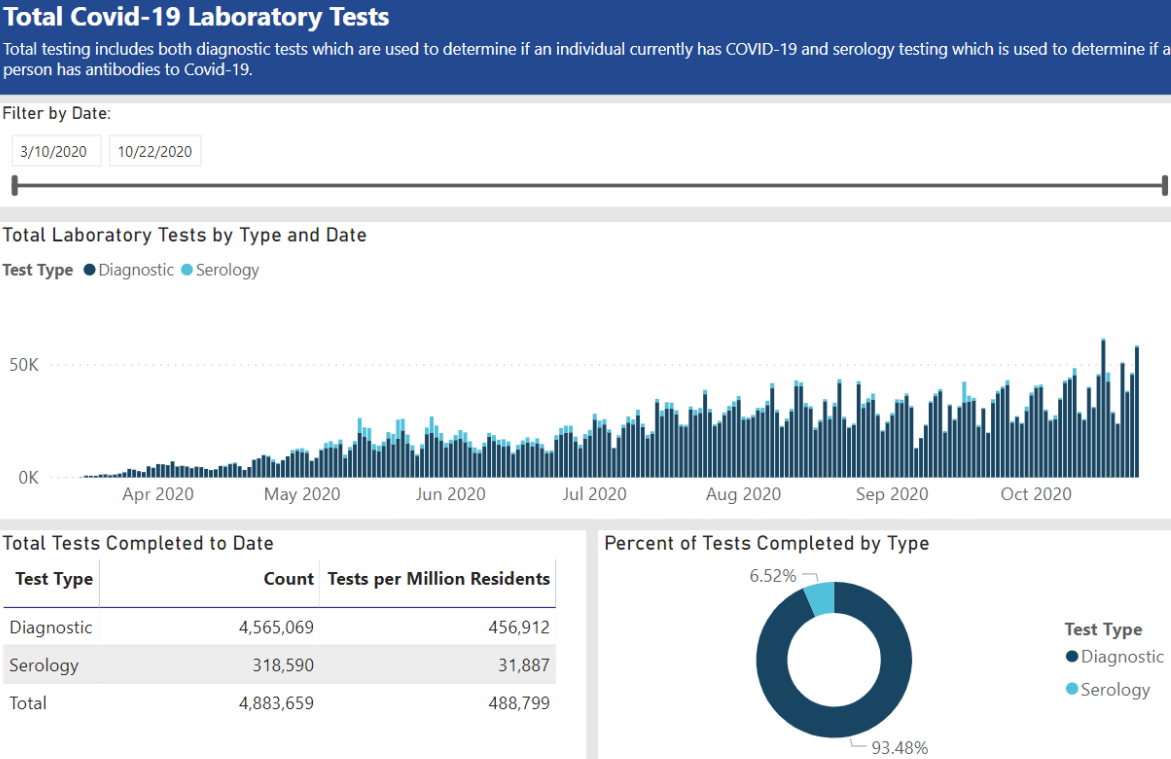
All

Select County:

All

Diagnostic tests are used to find current infection and look for genes or proteins from the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), the virus that causes COVID-19. These tests, which are performed as nasal swabs, include: Nucleic acid amplification test/real-time polymerase chain reaction (NAAT/RT-PCR) test and rapid virus antigen detection point of care (POC) tests.

Serology tests are used to look for the possibility of previous infection. Serology tests look for antibodies to SARS-CoV-2 in the blood. There are currently two types of serology tests: the enzyme-linked immunosorbent assay (ELISA) test and the rapid antibody detection POC test. Serology tests do not diagnose disease and do not guarantee immunity, but might provide information about previous infection.



Diagnostic Covid-19 Laboratory Tests

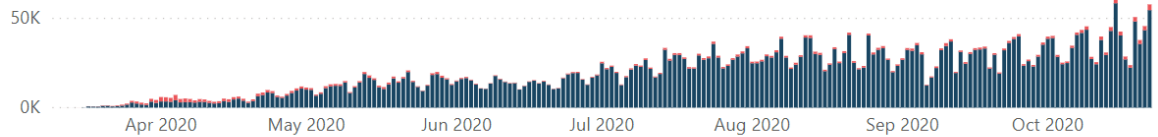
Diagnostic tests are used to determine if an individual is currently infected with Covid-19.

Filter by Date

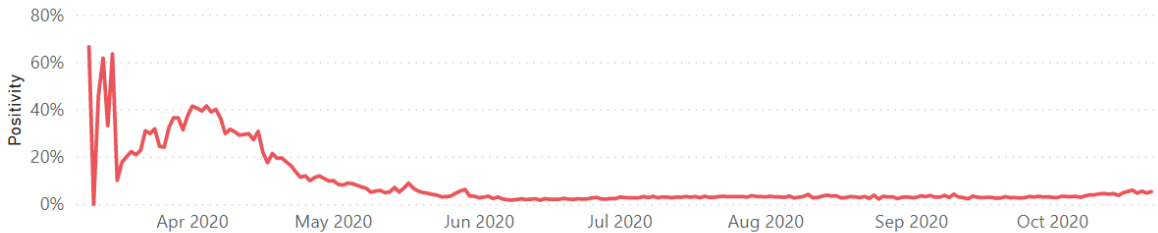
3/10/2020 10/22/2020

Total Laboratory Tests by Type and Date

Test Type ● Negative ● Positive



Percent of Diagnostic Tests That Were Positive



Select Preparedness Region

All

Select County

All

Diagnostic tests are used to find current infection and look for genes or proteins from the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), the virus that causes COVID-19. These tests, which are performed as nasal swabs, include: Nucleic acid amplification test/real-time polymerase chain reaction (NAAT/RT-PCR) test and rapid virus antigen detection point of care (POC) tests. Diagnostic tests do not include serology tests which look for antibodies to SARS-CoV-2 in the blood.

Where does the data come from?

The State of Michigan COVID-19 Dashboard displays the most recent provisional data reported to the Michigan Department of Health and Humans Services (MDHHS) about cases in Michigan by selected demographics and county of residence (City of Detroit and Wayne County are reported separately). Data are reported to MDHHS via the [Michigan Disease Surveillance System \(MDSS\)](#). Provisional Death data are provided by the MDHHS Division for [Vital Records & Health Statistics](#).

How does MDHHS classify confirmed and probable cases?

Confirmed cases only include individuals who have had a positive diagnostic laboratory test for COVID-19. Probable cases include individuals who have symptoms consistent with COVID-19 and an epidemiologic link to a confirmed case or a positive serology (antibody) test, but do not have a positive diagnostic laboratory test for COVID-19 and individuals with a positive serology (antibody) test for COVID-19 and an epidemiologic link to a confirmed case.

How does MDHHS classify confirmed and probable deaths?

Confirmed deaths include individuals who meet one or more of the following conditions: 1) Have been identified as a confirmed case and classified as deceased as a result of a case investigation in the Michigan Disease Surveillance System (MDSS). MDSS is the database used by state and local health department to monitor reportable diseases like COVID-19; 2) have been identified as a confirmed case in MDSS had have a death certificate with COVID-19 listed as a cause of death; 3) have been identified as a confirmed case in MDSS and die within 30 days of onset of COVID-19 infection and have a death certificate which classifies their manner death as 'natural'. Probable deaths include individuals who have COVID indicated as a cause of death on their death certificate but have not had a positive diagnostic laboratory test.

Why do the number of probable cases fluctuate?

The number of probable cases can change daily based on the investigation efforts of the health department. When a probable case is first reported, local and/or state health department staff investigate to determine if the person meets the case definition of probable. As additional information is gathered, the case could be re-classified to confirmed, remain as probable, or be determined as not a case.

Why do data in the demographics tab not sum to the total number of cases for a county or region?

Data are not shown whenever the number of cases for a particular demographic category is fewer than six to protect the confidentiality of individuals. Rates are not calculated for other, multiple, and unknown race because an appropriate population denominator is not available for these categories at the county level.

Where can I get more information about COVID-19?

Visit <https://www.michigan.gov/coronavirus> to find information on resources and assistance, answers to frequently asked questions, and the latest updates on Michigan's response to COVID-19. For COVID-19 updates from CDC visit <https://www.cdc.gov/coronavirus/2019-ncov>.

PUBLIC USE DATASETS

Cases and Deaths by County

README

Includes total cases and deaths to date by case status (confirmed or probable) and county.

County is based on the county of residence.

Confirmed cases only include individuals who have had a positive diagnostic laboratory test for COVID-19.

Probable cases include individuals who have symptoms consistent with COVID-19 and an epidemiologic link to a confirmed case or a positive serology (antibody) test, but do not have a positive diagnostic laboratory test for COVID-19 and individuals with a positive serology (antibody) test for COVID-19 and an epidemiologic link to a confirmed case.

Confirmed deaths include individuals who meet one or more of the following conditions: 1) Have been identified as a confirmed case and classified as deceased as a result of a case investigation in the Michigan Disease Surveillance System (MDSS). MDSS is the database used by state and local health department to monitor reportable diseases like COVID-19; 2) have been identified as a confirmed case in MDSS had have a death certificate with COVID-19 listed as a cause of death; 3) have been identified as a confirmed case in MDSS and die within 30 days of onset of COVID-19 infection and have a death certificate which classifies their manner death as 'natural'.

Probable deaths include individuals who have COVID indicated as a cause of death on their death certificate but have not had a positive diagnostic laboratory test.

The number of probable cases can change daily based on information obtained through the health department investigation. Probable cases can be re-classified as a confirmed case or determined to not be a case.

CASES AND DEATHS BY COUNTY 2020-10-23

Updated	COUNTY	ConfirmedCases	ConfirmedDeaths	ProbableCases	ProbableDeaths
2020/10/23 14:30:51	Alcona	44	2	8	0
2020/10/23 14:30:51	Alger	78	1	25	0
2020/10/23 14:30:51	Allegan	1045	7	120	0
2020/10/23 14:30:51	Alpena	133	14	23	0
2020/10/23 14:30:51	Antrim	98	0	11	0
2020/10/23 14:30:51	Arenac	82	3	8	0
2020/10/23 14:30:51	Baraga	64	4	13	0
2020/10/23 14:30:51	Barry	533	5	57	0
2020/10/23 14:30:51	Bay	1198	60	114	0
2020/10/23 14:30:51	Benzie	106	2	8	0
2020/10/23 14:30:51	Berrien	2287	80	243	1
2020/10/23 14:30:51	Branch	736	9	103	1
2020/10/23 14:30:51	Calhoun	2248	63	293	2
2020/10/23 14:30:51	Cass	845	24	81	0
2020/10/23 14:30:51	Charlevoix	131	4	17	0
2020/10/23 14:30:51	Cheboygan	112	2	18	0
2020/10/23 14:30:51	Chippewa	68	0	55	0
2020/10/23 14:30:51	Clare	222	9	22	0
2020/10/23 14:30:51	Clinton	894	14	113	0
2020/10/23 14:30:51	Crawford	135	5	10	0
2020/10/23 14:30:51	Delta	974	20	137	2
2020/10/23 14:30:51	Dickinson	539	16	11	1
2020/10/23 14:30:51	Eaton	939	11	100	0
2020/10/23 14:30:51	Emmet	193	4	14	0
2020/10/23 14:30:51	Genesee	5347	305	1009	26
2020/10/23 14:30:51	Gladwin	154	2	24	0
2020/10/23 14:30:51	Gogebic	241	1	107	1
2020/10/23 14:30:51	Grand Traverse	645	13	77	0
2020/10/23 14:30:51	Gratiot	379	16	66	0
2020/10/23 14:30:51	Hillsdale	441	27	49	1
2020/10/23 14:30:51	Houghton	745	8	150	1
2020/10/23 14:30:51	Huron	217	5	43	0
2020/10/23 14:30:51	Ingham	4365	62	91	0
2020/10/23 14:30:51	Ionia	589	8	39	0
2020/10/23 14:30:51	Iosco	227	14	46	1
2020/10/23 14:30:51	Iron	372	20	32	1
2020/10/23 14:30:51	Isabella	863	15	116	0
2020/10/23 14:30:51	Jackson	1617	62	33	2
2020/10/23 14:30:51	Kalamazoo	3654	99	850	3
2020/10/23 14:30:51	Kalkaska	100	4	18	0
2020/10/23 14:30:51	Kent	12473	179	917	3
2020/10/23 14:30:51	Keweenaw	17	0	1	0
2020/10/23 14:30:51	Lake	52	0	4	0
2020/10/23 14:30:51	Lapeer	710	37	146	1
2020/10/23 14:30:51	Leelanau	129	2	11	0
2020/10/23 14:30:51	Lenawee	1021	19	55	0
2020/10/23 14:30:51	Livingston	1636	32	263	1

2020/10/23 14:30:51	Luce	37	0	11	0
2020/10/23 14:30:51	Mackinac	122	0	30	0
2020/10/23 14:30:51	Macomb	16711	1029	998	49
2020/10/23 14:30:51	Manistee	113	3	7	0
2020/10/23 14:30:51	Marquette	794	13	137	0
2020/10/23 14:30:51	Mason	189	1	20	0
2020/10/23 14:30:51	Mecosta	410	4	22	0
2020/10/23 14:30:51	Menominee	586	3	77	0
2020/10/23 14:30:51	Midland	773	14	144	0
2020/10/23 14:30:51	Missaukee	66	1	17	0
2020/10/23 14:30:51	Monroe	1695	30	233	2
2020/10/23 14:30:51	Montcalm	503	10	61	0
2020/10/23 14:30:51	Montmorency	21	0	2	0
2020/10/23 14:30:51	Muskegon	1866	80	70	0
2020/10/23 14:30:51	Newaygo	542	3	20	0
2020/10/23 14:30:51	Oakland	19339	1182	4686	51
2020/10/23 14:30:51	Oceana	564	6	33	0
2020/10/23 14:30:51	Ogemaw	81	5	17	0
2020/10/23 14:30:51	Ontonagon	73	0	6	0
2020/10/23 14:30:51	Osceola	125	0	13	0
2020/10/23 14:30:51	Oscoda	35	1	19	0
2020/10/23 14:30:51	Otsego	205	11	30	1
2020/10/23 14:30:51	Ottawa	4458	67	229	5
2020/10/23 14:30:51	Presque Isle	39	1	8	0
2020/10/23 14:30:51	Roscommon	128	5	30	0
2020/10/23 14:30:51	Saginaw	3393	147	224	5
2020/10/23 14:30:51	Sanilac	170	6	8	1
2020/10/23 14:30:51	Schoolcraft	58	0	4	1
2020/10/23 14:30:51	Shiawassee	628	33	39	1
2020/10/23 14:30:51	St Clair	1183	63	252	1
2020/10/23 14:30:51	St Joseph	987	16	157	0
2020/10/23 14:30:51	Tuscola	547	35	79	0
2020/10/23 14:30:51	Van Buren	906	16	95	2
2020/10/23 14:30:51	Washtenaw	4536	116	584	0
2020/10/23 14:30:51	Wayne	20893	1322	2027	53
2020/10/23 14:30:51	Wexford	143	4	19	0
2020/10/23 14:30:51	MDOC	6453	75	6	0
2020/10/23 14:30:51	FCI	192	5	5	0
2020/10/23 14:30:51	Out-of-State	257	2	20	1
2020/10/23 14:30:51	Unknown	2	0	7	0
2020/10/23 14:30:51	Detroit City	15167	1549	1237	116

PUBLIC USE DATASETS

Cases by Demographics Statewide

README

Includes the total number of confirmed and probable cases and confirmed and probable deaths to date by demographic characteristics

Confirmed cases only include individuals who have had a positive diagnostic laboratory test for COVID-19.

Probable cases include individuals who have symptoms consistent with COVID-19 and an epidemiologic link to a confirmed case or a positive serology (antibody) test, but do not have a positive diagnostic laboratory test for COVID-19 and individuals with a positive serology (antibody) test for COVID-19 and an epidemiologic link to a confirmed case.

Confirmed deaths include individuals who meet one or more of the following conditions: 1) Have been identified as a confirmed case and classified as deceased as a result of a case investigation in the Michigan Disease Surveillance System (MDSS). MDSS is the database used by state and local health department to monitor reportable diseases like COVID-19; 2) have been identified as a confirmed case in MDSS had have a death certificate with COVID-19 listed as a cause of death; 3) have been identified as a confirmed case in MDSS and die within 30 days of onset of COVID-19 infection and have a death certificate which classifies their manner death as 'natural'.

Probable deaths include individuals who have COVID indicated as a cause of death on their death certificate but have not had a positive diagnostic laboratory test.

The number of probable cases can change daily based on information obtained through the health department investigation. Probable cases can be re-classified as a confirmed case or determined to not be a case.

Data is suppressed when the number of cases or deaths in a single category is between one and five to protect the confidentiality of individuals.

CASES BY DEMOGRAPHICS STATEWIDE 2020-10-23

CASE_STATUS	AgeCat	RaceCat	SEX	Cases	Deaths
Confirmed	0-9	American Indian/Alaska Native	Female	13	0
Confirmed	10-19	American Indian/Alaska Native	Female	44	0
Confirmed	20-29	American Indian/Alaska Native	Female	81	0
Confirmed	30-39	American Indian/Alaska Native	Female	67	0
Confirmed	40-49	American Indian/Alaska Native	Female	59	0
Confirmed	50-59	American Indian/Alaska Native	Female	69	0
Confirmed	60-69	American Indian/Alaska Native	Female	38	Suppressed
Confirmed	70-79	American Indian/Alaska Native	Female	21	Suppressed
Confirmed	80+	American Indian/Alaska Native	Female	10	Suppressed
Confirmed	Unknown	American Indian/Alaska Native	Female	0	0
Confirmed	0-9	Asian/Pacific Islander	Female	32	0
Confirmed	10-19	Asian/Pacific Islander	Female	133	0
Confirmed	20-29	Asian/Pacific Islander	Female	300	0
Confirmed	30-39	Asian/Pacific Islander	Female	291	0
Confirmed	40-49	Asian/Pacific Islander	Female	283	Suppressed
Confirmed	50-59	Asian/Pacific Islander	Female	252	Suppressed
Confirmed	60-69	Asian/Pacific Islander	Female	137	Suppressed
Confirmed	70-79	Asian/Pacific Islander	Female	63	11
Confirmed	80+	Asian/Pacific Islander	Female	64	23
Confirmed	Unknown	Asian/Pacific Islander	Female	0	0
Confirmed	0-9	Black/African American	Female	218	Suppressed
Confirmed	10-19	Black/African American	Female	613	Suppressed
Confirmed	20-29	Black/African American	Female	2361	Suppressed
Confirmed	30-39	Black/African American	Female	2285	8
Confirmed	40-49	Black/African American	Female	2364	54
Confirmed	50-59	Black/African American	Female	2286	111
Confirmed	60-69	Black/African American	Female	2056	236
Confirmed	70-79	Black/African American	Female	1382	331
Confirmed	80+	Black/African American	Female	1071	442
Confirmed	Unknown	Black/African American	Female	Suppressed	0
Confirmed	0-9	Multiple Races	Female	107	0
Confirmed	10-19	Multiple Races	Female	503	0
Confirmed	20-29	Multiple Races	Female	1084	0
Confirmed	30-39	Multiple Races	Female	789	Suppressed
Confirmed	40-49	Multiple Races	Female	876	Suppressed
Confirmed	50-59	Multiple Races	Female	947	Suppressed
Confirmed	60-69	Multiple Races	Female	576	Suppressed
Confirmed	70-79	Multiple Races	Female	288	12
Confirmed	80+	Multiple Races	Female	239	24
Confirmed	Unknown	Multiple Races	Female	Suppressed	0
Confirmed	0-9	Other	Female	197	0
Confirmed	10-19	Other	Female	588	0
Confirmed	20-29	Other	Female	1073	0
Confirmed	30-39	Other	Female	763	Suppressed
Confirmed	40-49	Other	Female	749	Suppressed
Confirmed	50-59	Other	Female	510	Suppressed
Confirmed	60-69	Other	Female	337	15

Confirmed	70-79	Other	Female	173	16
Confirmed	80+	Other	Female	135	26
Confirmed	Unknown	Other	Female	0	0
Confirmed	0-9	Unknown	Female	162	0
Confirmed	10-19	Unknown	Female	888	0
Confirmed	20-29	Unknown	Female	1688	Suppressed
Confirmed	30-39	Unknown	Female	1340	0
Confirmed	40-49	Unknown	Female	1426	Suppressed
Confirmed	50-59	Unknown	Female	1482	7
Confirmed	60-69	Unknown	Female	1113	14
Confirmed	70-79	Unknown	Female	596	20
Confirmed	80+	Unknown	Female	670	38
Confirmed	Unknown	Unknown	Female	35	0
Confirmed	0-9	White	Female	816	0
Confirmed	10-19	White	Female	4918	0
Confirmed	20-29	White	Female	9016	Suppressed
Confirmed	30-39	White	Female	5435	11
Confirmed	40-49	White	Female	5555	27
Confirmed	50-59	White	Female	6212	73
Confirmed	60-69	White	Female	4741	195
Confirmed	70-79	White	Female	3364	443
Confirmed	80+	White	Female	3993	1220
Confirmed	Unknown	White	Female	30	0
Confirmed	0-9	American Indian/Alaska Native	Male	15	0
Confirmed	10-19	American Indian/Alaska Native	Male	37	0
Confirmed	20-29	American Indian/Alaska Native	Male	64	0
Confirmed	30-39	American Indian/Alaska Native	Male	63	0
Confirmed	40-49	American Indian/Alaska Native	Male	69	0
Confirmed	50-59	American Indian/Alaska Native	Male	59	Suppressed
Confirmed	60-69	American Indian/Alaska Native	Male	46	8
Confirmed	70-79	American Indian/Alaska Native	Male	25	6
Confirmed	80+	American Indian/Alaska Native	Male	8	Suppressed
Confirmed	Unknown	American Indian/Alaska Native	Male	0	0
Confirmed	0-9	Asian/Pacific Islander	Male	54	0
Confirmed	10-19	Asian/Pacific Islander	Male	112	0
Confirmed	20-29	Asian/Pacific Islander	Male	334	0
Confirmed	30-39	Asian/Pacific Islander	Male	272	0
Confirmed	40-49	Asian/Pacific Islander	Male	236	Suppressed
Confirmed	50-59	Asian/Pacific Islander	Male	219	Suppressed
Confirmed	60-69	Asian/Pacific Islander	Male	154	15
Confirmed	70-79	Asian/Pacific Islander	Male	68	17
Confirmed	80+	Asian/Pacific Islander	Male	40	17
Confirmed	Unknown	Asian/Pacific Islander	Male	0	0
Confirmed	0-9	Black/African American	Male	204	0
Confirmed	10-19	Black/African American	Male	647	0
Confirmed	20-29	Black/African American	Male	1974	11
Confirmed	30-39	Black/African American	Male	2059	29
Confirmed	40-49	Black/African American	Male	2190	74
Confirmed	50-59	Black/African American	Male	2467	203
Confirmed	60-69	Black/African American	Male	2232	349

Confirmed	70-79	Black/African American	Male	1362	425
Confirmed	80+	Black/African American	Male	631	316
Confirmed	Unknown	Black/African American	Male	Suppressed	0
Confirmed	0-9	Multiple Races	Male	147	Suppressed
Confirmed	10-19	Multiple Races	Male	468	0
Confirmed	20-29	Multiple Races	Male	850	0
Confirmed	30-39	Multiple Races	Male	628	Suppressed
Confirmed	40-49	Multiple Races	Male	680	Suppressed
Confirmed	50-59	Multiple Races	Male	706	Suppressed
Confirmed	60-69	Multiple Races	Male	519	21
Confirmed	70-79	Multiple Races	Male	261	15
Confirmed	80+	Multiple Races	Male	116	17
Confirmed	Unknown	Multiple Races	Male	Suppressed	0
Confirmed	0-9	Other	Male	213	0
Confirmed	10-19	Other	Male	661	0
Confirmed	20-29	Other	Male	1215	Suppressed
Confirmed	30-39	Other	Male	927	Suppressed
Confirmed	40-49	Other	Male	825	7
Confirmed	50-59	Other	Male	607	9
Confirmed	60-69	Other	Male	368	27
Confirmed	70-79	Other	Male	189	24
Confirmed	80+	Other	Male	82	16
Confirmed	Unknown	Other	Male	Suppressed	0
Confirmed	0-9	Unknown	Male	190	0
Confirmed	10-19	Unknown	Male	944	0
Confirmed	20-29	Unknown	Male	1877	0
Confirmed	30-39	Unknown	Male	1515	Suppressed
Confirmed	40-49	Unknown	Male	1457	10
Confirmed	50-59	Unknown	Male	1509	9
Confirmed	60-69	Unknown	Male	1108	19
Confirmed	70-79	Unknown	Male	531	25
Confirmed	80+	Unknown	Male	321	33
Confirmed	Unknown	Unknown	Male	31	0
Confirmed	0-9	White	Male	908	0
Confirmed	10-19	White	Male	4129	0
Confirmed	20-29	White	Male	7533	Suppressed
Confirmed	30-39	White	Male	5075	15
Confirmed	40-49	White	Male	5074	42
Confirmed	50-59	White	Male	6129	141
Confirmed	60-69	White	Male	5057	337
Confirmed	70-79	White	Male	3346	574
Confirmed	80+	White	Male	2377	905
Confirmed	Unknown	White	Male	21	0
Confirmed	0-9	American Indian/Alaska Native	Unknown	0	0
Confirmed	10-19	American Indian/Alaska Native	Unknown	0	0
Confirmed	20-29	American Indian/Alaska Native	Unknown	0	0
Confirmed	30-39	American Indian/Alaska Native	Unknown	0	0
Confirmed	40-49	American Indian/Alaska Native	Unknown	0	0
Confirmed	50-59	American Indian/Alaska Native	Unknown	0	0
Confirmed	60-69	American Indian/Alaska Native	Unknown	0	0

Confirmed	70-79	American Indian/Alaska Native	Unknown	Suppressed	0
Confirmed	80+	American Indian/Alaska Native	Unknown	0	0
Confirmed	Unknown	American Indian/Alaska Native	Unknown	0	0
Confirmed	0-9	Asian/Pacific Islander	Unknown	0	0
Confirmed	10-19	Asian/Pacific Islander	Unknown	Suppressed	0
Confirmed	20-29	Asian/Pacific Islander	Unknown	0	0
Confirmed	30-39	Asian/Pacific Islander	Unknown	Suppressed	0
Confirmed	40-49	Asian/Pacific Islander	Unknown	Suppressed	0
Confirmed	50-59	Asian/Pacific Islander	Unknown	0	0
Confirmed	60-69	Asian/Pacific Islander	Unknown	0	0
Confirmed	70-79	Asian/Pacific Islander	Unknown	0	0
Confirmed	80+	Asian/Pacific Islander	Unknown	0	0
Confirmed	Unknown	Asian/Pacific Islander	Unknown	0	0
Confirmed	0-9	Black/African American	Unknown	Suppressed	0
Confirmed	10-19	Black/African American	Unknown	7	0
Confirmed	20-29	Black/African American	Unknown	Suppressed	0
Confirmed	30-39	Black/African American	Unknown	Suppressed	0
Confirmed	40-49	Black/African American	Unknown	Suppressed	0
Confirmed	50-59	Black/African American	Unknown	6	0
Confirmed	60-69	Black/African American	Unknown	Suppressed	0
Confirmed	70-79	Black/African American	Unknown	Suppressed	0
Confirmed	80+	Black/African American	Unknown	Suppressed	0
Confirmed	Unknown	Black/African American	Unknown	0	0
Confirmed	0-9	Multiple Races	Unknown	0	0
Confirmed	10-19	Multiple Races	Unknown	Suppressed	0
Confirmed	20-29	Multiple Races	Unknown	7	0
Confirmed	30-39	Multiple Races	Unknown	Suppressed	0
Confirmed	40-49	Multiple Races	Unknown	Suppressed	0
Confirmed	50-59	Multiple Races	Unknown	Suppressed	0
Confirmed	60-69	Multiple Races	Unknown	Suppressed	0
Confirmed	70-79	Multiple Races	Unknown	Suppressed	0
Confirmed	80+	Multiple Races	Unknown	0	0
Confirmed	Unknown	Multiple Races	Unknown	Suppressed	0
Confirmed	0-9	Other	Unknown	Suppressed	0
Confirmed	10-19	Other	Unknown	Suppressed	0
Confirmed	20-29	Other	Unknown	Suppressed	0
Confirmed	30-39	Other	Unknown	Suppressed	0
Confirmed	40-49	Other	Unknown	6	0
Confirmed	50-59	Other	Unknown	Suppressed	0
Confirmed	60-69	Other	Unknown	Suppressed	0
Confirmed	70-79	Other	Unknown	Suppressed	0
Confirmed	80+	Other	Unknown	Suppressed	0
Confirmed	Unknown	Other	Unknown	Suppressed	0
Confirmed	0-9	Unknown	Unknown	9	0
Confirmed	10-19	Unknown	Unknown	26	0
Confirmed	20-29	Unknown	Unknown	52	0
Confirmed	30-39	Unknown	Unknown	33	0
Confirmed	40-49	Unknown	Unknown	52	0
Confirmed	50-59	Unknown	Unknown	49	0
Confirmed	60-69	Unknown	Unknown	20	0

Confirmed	70-79	Unknown	Unknown	6	0
Confirmed	80+	Unknown	Unknown	7	0
Confirmed	Unknown	Unknown	Unknown	7	0
Confirmed	0-9	White	Unknown	0	0
Confirmed	10-19	White	Unknown	19	0
Confirmed	20-29	White	Unknown	24	0
Confirmed	30-39	White	Unknown	13	0
Confirmed	40-49	White	Unknown	10	0
Confirmed	50-59	White	Unknown	Suppressed	0
Confirmed	60-69	White	Unknown	12	0
Confirmed	70-79	White	Unknown	Suppressed	0
Confirmed	80+	White	Unknown	Suppressed	0
Confirmed	Unknown	White	Unknown	0	0
Probable	0-9	American Indian/Alaska Native	Female	Suppressed	0
Probable	10-19	American Indian/Alaska Native	Female	Suppressed	0
Probable	20-29	American Indian/Alaska Native	Female	12	0
Probable	30-39	American Indian/Alaska Native	Female	Suppressed	0
Probable	40-49	American Indian/Alaska Native	Female	Suppressed	0
Probable	50-59	American Indian/Alaska Native	Female	6	0
Probable	60-69	American Indian/Alaska Native	Female	Suppressed	0
Probable	70-79	American Indian/Alaska Native	Female	Suppressed	0
Probable	80+	American Indian/Alaska Native	Female	0	0
Probable	Unknown	American Indian/Alaska Native	Female	Suppressed	0
Probable	0-9	Asian/Pacific Islander	Female	9	0
Probable	10-19	Asian/Pacific Islander	Female	18	0
Probable	20-29	Asian/Pacific Islander	Female	30	0
Probable	30-39	Asian/Pacific Islander	Female	23	0
Probable	40-49	Asian/Pacific Islander	Female	13	0
Probable	50-59	Asian/Pacific Islander	Female	17	0
Probable	60-69	Asian/Pacific Islander	Female	6	0
Probable	70-79	Asian/Pacific Islander	Female	Suppressed	0
Probable	80+	Asian/Pacific Islander	Female	0	0
Probable	Unknown	Asian/Pacific Islander	Female	Suppressed	0
Probable	0-9	Black/African American	Female	35	0
Probable	10-19	Black/African American	Female	61	0
Probable	20-29	Black/African American	Female	134	0
Probable	30-39	Black/African American	Female	111	0
Probable	40-49	Black/African American	Female	138	Suppressed
Probable	50-59	Black/African American	Female	151	8
Probable	60-69	Black/African American	Female	119	12
Probable	70-79	Black/African American	Female	52	13
Probable	80+	Black/African American	Female	38	25
Probable	Unknown	Black/African American	Female	7	0
Probable	0-9	Multiple Races	Female	28	0
Probable	10-19	Multiple Races	Female	58	0
Probable	20-29	Multiple Races	Female	78	0
Probable	30-39	Multiple Races	Female	33	0
Probable	40-49	Multiple Races	Female	70	0
Probable	50-59	Multiple Races	Female	64	0
Probable	60-69	Multiple Races	Female	45	0

Probable	70-79	Multiple Races	Female	16	0
Probable	80+	Multiple Races	Female	8	Suppressed
Probable	Unknown	Multiple Races	Female	15	0
Probable	0-9	Other	Female	29	0
Probable	10-19	Other	Female	55	0
Probable	20-29	Other	Female	68	0
Probable	30-39	Other	Female	58	0
Probable	40-49	Other	Female	59	0
Probable	50-59	Other	Female	31	Suppressed
Probable	60-69	Other	Female	16	Suppressed
Probable	70-79	Other	Female	9	0
Probable	80+	Other	Female	Suppressed	0
Probable	Unknown	Other	Female	8	0
Probable	0-9	Unknown	Female	61	0
Probable	10-19	Unknown	Female	261	0
Probable	20-29	Unknown	Female	554	0
Probable	30-39	Unknown	Female	403	0
Probable	40-49	Unknown	Female	481	0
Probable	50-59	Unknown	Female	500	0
Probable	60-69	Unknown	Female	385	Suppressed
Probable	70-79	Unknown	Female	161	0
Probable	80+	Unknown	Female	95	Suppressed
Probable	Unknown	Unknown	Female	240	0
Probable	0-9	White	Female	221	0
Probable	10-19	White	Female	615	0
Probable	20-29	White	Female	822	0
Probable	30-39	White	Female	493	0
Probable	40-49	White	Female	609	Suppressed
Probable	50-59	White	Female	638	Suppressed
Probable	60-69	White	Female	378	17
Probable	70-79	White	Female	198	23
Probable	80+	White	Female	142	54
Probable	Unknown	White	Female	97	0
Probable	0-9	American Indian/Alaska Native	Male	Suppressed	0
Probable	10-19	American Indian/Alaska Native	Male	Suppressed	0
Probable	20-29	American Indian/Alaska Native	Male	6	0
Probable	30-39	American Indian/Alaska Native	Male	Suppressed	0
Probable	40-49	American Indian/Alaska Native	Male	Suppressed	0
Probable	50-59	American Indian/Alaska Native	Male	Suppressed	0
Probable	60-69	American Indian/Alaska Native	Male	Suppressed	0
Probable	70-79	American Indian/Alaska Native	Male	0	0
Probable	80+	American Indian/Alaska Native	Male	Suppressed	Suppressed
Probable	Unknown	American Indian/Alaska Native	Male	Suppressed	0
Probable	0-9	Asian/Pacific Islander	Male	15	0
Probable	10-19	Asian/Pacific Islander	Male	10	0
Probable	20-29	Asian/Pacific Islander	Male	30	0
Probable	30-39	Asian/Pacific Islander	Male	25	0
Probable	40-49	Asian/Pacific Islander	Male	10	0
Probable	50-59	Asian/Pacific Islander	Male	10	0
Probable	60-69	Asian/Pacific Islander	Male	Suppressed	0

Probable	70-79	Asian/Pacific Islander	Male	Suppressed	Suppressed
Probable	80+	Asian/Pacific Islander	Male	0	0
Probable	Unknown	Asian/Pacific Islander	Male	0	0
Probable	0-9	Black/African American	Male	36	0
Probable	10-19	Black/African American	Male	55	0
Probable	20-29	Black/African American	Male	84	0
Probable	30-39	Black/African American	Male	70	0
Probable	40-49	Black/African American	Male	66	8
Probable	50-59	Black/African American	Male	95	8
Probable	60-69	Black/African American	Male	92	20
Probable	70-79	Black/African American	Male	47	26
Probable	80+	Black/African American	Male	21	15
Probable	Unknown	Black/African American	Male	Suppressed	0
Probable	0-9	Multiple Races	Male	29	0
Probable	10-19	Multiple Races	Male	56	0
Probable	20-29	Multiple Races	Male	63	0
Probable	30-39	Multiple Races	Male	43	0
Probable	40-49	Multiple Races	Male	53	Suppressed
Probable	50-59	Multiple Races	Male	39	0
Probable	60-69	Multiple Races	Male	31	0
Probable	70-79	Multiple Races	Male	13	0
Probable	80+	Multiple Races	Male	Suppressed	Suppressed
Probable	Unknown	Multiple Races	Male	19	0
Probable	0-9	Other	Male	24	0
Probable	10-19	Other	Male	54	0
Probable	20-29	Other	Male	70	0
Probable	30-39	Other	Male	58	0
Probable	40-49	Other	Male	54	0
Probable	50-59	Other	Male	25	0
Probable	60-69	Other	Male	19	Suppressed
Probable	70-79	Other	Male	9	Suppressed
Probable	80+	Other	Male	Suppressed	0
Probable	Unknown	Other	Male	8	0
Probable	0-9	Unknown	Male	75	0
Probable	10-19	Unknown	Male	269	0
Probable	20-29	Unknown	Male	462	0
Probable	30-39	Unknown	Male	399	Suppressed
Probable	40-49	Unknown	Male	359	Suppressed
Probable	50-59	Unknown	Male	394	0
Probable	60-69	Unknown	Male	270	Suppressed
Probable	70-79	Unknown	Male	115	Suppressed
Probable	80+	Unknown	Male	49	Suppressed
Probable	Unknown	Unknown	Male	185	0
Probable	0-9	White	Male	258	0
Probable	10-19	White	Male	552	0
Probable	20-29	White	Male	736	Suppressed
Probable	30-39	White	Male	402	Suppressed
Probable	40-49	White	Male	419	Suppressed
Probable	50-59	White	Male	459	7
Probable	60-69	White	Male	315	15

Probable	70-79	White	Male	135	14
Probable	80+	White	Male	97	30
Probable	Unknown	White	Male	53	0
Probable	0-9	American Indian/Alaska Native	Unknown	0	0
Probable	10-19	American Indian/Alaska Native	Unknown	0	0
Probable	20-29	American Indian/Alaska Native	Unknown	Suppressed	0
Probable	30-39	American Indian/Alaska Native	Unknown	0	0
Probable	40-49	American Indian/Alaska Native	Unknown	0	0
Probable	50-59	American Indian/Alaska Native	Unknown	0	0
Probable	60-69	American Indian/Alaska Native	Unknown	0	0
Probable	70-79	American Indian/Alaska Native	Unknown	0	0
Probable	80+	American Indian/Alaska Native	Unknown	0	0
Probable	Unknown	American Indian/Alaska Native	Unknown	0	0
Probable	0-9	Asian/Pacific Islander	Unknown	0	0
Probable	10-19	Asian/Pacific Islander	Unknown	0	0
Probable	20-29	Asian/Pacific Islander	Unknown	Suppressed	0
Probable	30-39	Asian/Pacific Islander	Unknown	Suppressed	0
Probable	40-49	Asian/Pacific Islander	Unknown	Suppressed	0
Probable	50-59	Asian/Pacific Islander	Unknown	Suppressed	0
Probable	60-69	Asian/Pacific Islander	Unknown	0	0
Probable	70-79	Asian/Pacific Islander	Unknown	0	0
Probable	80+	Asian/Pacific Islander	Unknown	0	0
Probable	Unknown	Asian/Pacific Islander	Unknown	0	0
Probable	0-9	Black/African American	Unknown	0	0
Probable	10-19	Black/African American	Unknown	0	0
Probable	20-29	Black/African American	Unknown	Suppressed	0
Probable	30-39	Black/African American	Unknown	Suppressed	0
Probable	40-49	Black/African American	Unknown	Suppressed	0
Probable	50-59	Black/African American	Unknown	Suppressed	0
Probable	60-69	Black/African American	Unknown	Suppressed	0
Probable	70-79	Black/African American	Unknown	0	0
Probable	80+	Black/African American	Unknown	0	0
Probable	Unknown	Black/African American	Unknown	Suppressed	0
Probable	0-9	Multiple Races	Unknown	Suppressed	0
Probable	10-19	Multiple Races	Unknown	Suppressed	0
Probable	20-29	Multiple Races	Unknown	7	0
Probable	30-39	Multiple Races	Unknown	Suppressed	0
Probable	40-49	Multiple Races	Unknown	Suppressed	0
Probable	50-59	Multiple Races	Unknown	Suppressed	0
Probable	60-69	Multiple Races	Unknown	Suppressed	0
Probable	70-79	Multiple Races	Unknown	0	0
Probable	80+	Multiple Races	Unknown	0	0
Probable	Unknown	Multiple Races	Unknown	Suppressed	0
Probable	0-9	Other	Unknown	Suppressed	0
Probable	10-19	Other	Unknown	Suppressed	0
Probable	20-29	Other	Unknown	0	0
Probable	30-39	Other	Unknown	0	0
Probable	40-49	Other	Unknown	Suppressed	0
Probable	50-59	Other	Unknown	Suppressed	0
Probable	60-69	Other	Unknown	Suppressed	0

Probable	70-79	Other	Unknown	0	0
Probable	80+	Other	Unknown	0	0
Probable	Unknown	Other	Unknown	Suppressed	0
Probable	0-9	Unknown	Unknown	22	0
Probable	10-19	Unknown	Unknown	34	0
Probable	20-29	Unknown	Unknown	65	0
Probable	30-39	Unknown	Unknown	53	0
Probable	40-49	Unknown	Unknown	60	0
Probable	50-59	Unknown	Unknown	57	0
Probable	60-69	Unknown	Unknown	44	0
Probable	70-79	Unknown	Unknown	20	0
Probable	80+	Unknown	Unknown	Suppressed	0
Probable	Unknown	Unknown	Unknown	469	0
Probable	0-9	White	Unknown	10	0
Probable	10-19	White	Unknown	8	0
Probable	20-29	White	Unknown	12	0
Probable	30-39	White	Unknown	Suppressed	0
Probable	40-49	White	Unknown	13	0
Probable	50-59	White	Unknown	12	0
Probable	60-69	White	Unknown	Suppressed	0
Probable	70-79	White	Unknown	Suppressed	0
Probable	80+	White	Unknown	Suppressed	0
Probable	Unknown	White	Unknown	12	0

PUBLIC USE DATASETS

COVID-19 Tests by County

README

Data includes tests by type (diagnostic, serology or total combined) by county.

Diagnostic tests are used to find current infection and look for genes or proteins from the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), the virus that causes COVID-19. These tests, which are performed as nasal swabs, include: Nucleic acid amplification test/real-time polymerase chain reaction (NAAT/RT-PCR) test and rapid virus antigen detection point of care (POC) tests.

Serology tests are used to look for the possibility of previous infection. Serology tests look for antibodies to SARS-CoV-2 in the blood. There are currently two types of serology tests: the enzyme-linked immunosorbent assay (ELISA) test and the rapid antibody detection POC test. Serology tests do not diagnose disease and do not guarantee immunity, but might provide information about previous infection.

Correctional includes state and federal prisons and county and city detection facilities. Testing data represents total tests performed, not individuals tested. A single individual may have more than one test completed.

COVID-19 TESTS BY COUNTY 2020-10-23

Updated	COUNTY	TestType	Count	RatePerMillion
2020/10/23 14:30:55	Alcona	Diagnostic	2595	249399
2020/10/23 14:30:55	Alcona	Serology	72	6920
2020/10/23 14:30:55	Alcona	Total	2667	256319
2020/10/23 14:30:55	Alger	Diagnostic	2159	237044
2020/10/23 14:30:55	Alger	Serology	94	10321
2020/10/23 14:30:55	Alger	Total	2253	247365
2020/10/23 14:30:55	Allegan	Serology	1179	9985
2020/10/23 14:30:55	Allegan	Diagnostic	41766	353706
2020/10/23 14:30:55	Allegan	Total	42945	363691
2020/10/23 14:30:55	Alpena	Diagnostic	3880	136596
2020/10/23 14:30:55	Alpena	Serology	233	8203
2020/10/23 14:30:55	Alpena	Total	4113	144798
2020/10/23 14:30:55	Antrim	Diagnostic	7142	306208
2020/10/23 14:30:55	Antrim	Serology	221	9475
2020/10/23 14:30:55	Antrim	Total	7363	315683
2020/10/23 14:30:55	Arenac	Serology	194	13035
2020/10/23 14:30:55	Arenac	Diagnostic	4877	327689
2020/10/23 14:30:55	Arenac	Total	5071	340724
2020/10/23 14:30:55	Baraga	Diagnostic	6074	739920
2020/10/23 14:30:55	Baraga	Serology	45	5482
2020/10/23 14:30:55	Baraga	Total	6119	745401
2020/10/23 14:30:55	Barry	Serology	857	13924
2020/10/23 14:30:55	Barry	Diagnostic	21460	348660
2020/10/23 14:30:55	Barry	Total	22317	362583
2020/10/23 14:30:55	Bay	Diagnostic	44268	429261
2020/10/23 14:30:55	Bay	Serology	2467	23922
2020/10/23 14:30:55	Bay	Total	46735	453183
2020/10/23 14:30:55	Benzie	Diagnostic	5593	314815
2020/10/23 14:30:55	Benzie	Serology	204	11483
2020/10/23 14:30:55	Benzie	Total	5797	326297
2020/10/23 14:30:55	Berrien	Diagnostic	86515	563979
2020/10/23 14:30:55	Berrien	Serology	2492	16245
2020/10/23 14:30:55	Berrien	Total	89007	580224
2020/10/23 14:30:55	Branch	Diagnostic	13680	314360
2020/10/23 14:30:55	Branch	Serology	187	4297
2020/10/23 14:30:55	Branch	Total	13867	318657
2020/10/23 14:30:55	Calhoun	Serology	884	6589
2020/10/23 14:30:55	Calhoun	Diagnostic	76315	568840
2020/10/23 14:30:55	Calhoun	Total	77199	575429
2020/10/23 14:30:55	Cass	Diagnostic	15392	297217
2020/10/23 14:30:55	Cass	Serology	308	5947
2020/10/23 14:30:55	Cass	Total	15700	303165
2020/10/23 14:30:55	Charlevoix	Diagnostic	8706	333015
2020/10/23 14:30:55	Charlevoix	Serology	477	18246
2020/10/23 14:30:55	Charlevoix	Total	9183	351260
2020/10/23 14:30:55	Cheboygan	Diagnostic	4699	185908
2020/10/23 14:30:55	Cheboygan	Serology	227	8981

2020/10/23 14:30:55	Cheboygan	Total	4926	194888
2020/10/23 14:30:55	Chippewa	Diagnostic	6608	176926
2020/10/23 14:30:55	Chippewa	Serology	139	3722
2020/10/23 14:30:55	Chippewa	Total	6747	180647
2020/10/23 14:30:55	Clare	Serology	397	12827
2020/10/23 14:30:55	Clare	Diagnostic	6251	201971
2020/10/23 14:30:55	Clare	Total	6648	214798
2020/10/23 14:30:55	Clinton	Diagnostic	22479	282417
2020/10/23 14:30:55	Clinton	Serology	2682	33696
2020/10/23 14:30:55	Clinton	Total	25161	316113
2020/10/23 14:30:55	Correctional	Serology	11615	
2020/10/23 14:30:55	Correctional	Diagnostic	164775	
2020/10/23 14:30:55	Correctional	Total	176390	
2020/10/23 14:30:55	Crawford	Diagnostic	3792	270297
2020/10/23 14:30:55	Crawford	Serology	105	7484
2020/10/23 14:30:55	Crawford	Total	3897	277782
2020/10/23 14:30:55	Delta	Diagnostic	16873	471524
2020/10/23 14:30:55	Delta	Serology	286	7992
2020/10/23 14:30:55	Delta	Total	17159	479516
2020/10/23 14:30:55	Detroit City	Serology	16023	24658
2020/10/23 14:30:55	Detroit City	Diagnostic	329398	506919
2020/10/23 14:30:55	Detroit City	Total	345421	531577
2020/10/23 14:30:55	Dickinson	Serology	72	2853
2020/10/23 14:30:55	Dickinson	Diagnostic	5463	216451
2020/10/23 14:30:55	Dickinson	Total	5535	219303
2020/10/23 14:30:55	Eaton	Diagnostic	48013	435421
2020/10/23 14:30:55	Eaton	Serology	4103	37209
2020/10/23 14:30:55	Eaton	Total	52116	472630
2020/10/23 14:30:55	Emmet	Diagnostic	11275	337423
2020/10/23 14:30:55	Emmet	Serology	901	26964
2020/10/23 14:30:55	Emmet	Total	12176	364387
2020/10/23 14:30:55	Genesee	Diagnostic	130188	320808
2020/10/23 14:30:55	Genesee	Serology	11942	29427
2020/10/23 14:30:55	Genesee	Total	142130	350235
2020/10/23 14:30:55	Gladwin	Serology	334	13124
2020/10/23 14:30:55	Gladwin	Diagnostic	6673	262211
2020/10/23 14:30:55	Gladwin	Total	7007	275335
2020/10/23 14:30:55	Gogebic	Diagnostic	9760	698390
2020/10/23 14:30:55	Gogebic	Serology	118	8444
2020/10/23 14:30:55	Gogebic	Total	9878	706834
2020/10/23 14:30:55	Grand Traverse	Serology	1766	18971
2020/10/23 14:30:55	Grand Traverse	Diagnostic	30153	323919
2020/10/23 14:30:55	Grand Traverse	Total	31919	342891
2020/10/23 14:30:55	Gratiot	Serology	476	11692
2020/10/23 14:30:55	Gratiot	Diagnostic	21157	519688
2020/10/23 14:30:55	Gratiot	Total	21633	531380
2020/10/23 14:30:55	Hillsdale	Diagnostic	15456	338910
2020/10/23 14:30:55	Hillsdale	Serology	358	7850
2020/10/23 14:30:55	Hillsdale	Total	15814	346760
2020/10/23 14:30:55	Houghton	Diagnostic	16367	458665

2020/10/23 14:30:55	Houghton	Serology	155	4344
2020/10/23 14:30:55	Houghton	Total	16522	463009
2020/10/23 14:30:55	Huron	Diagnostic	11907	384332
2020/10/23 14:30:55	Huron	Serology	310	10006
2020/10/23 14:30:55	Huron	Total	12217	394338
2020/10/23 14:30:55	Ingham	Serology	14076	48139
2020/10/23 14:30:55	Ingham	Diagnostic	135128	462125
2020/10/23 14:30:55	Ingham	Total	149204	510263
2020/10/23 14:30:55	Ionia	Diagnostic	30517	471691
2020/10/23 14:30:55	Ionia	Serology	1187	18347
2020/10/23 14:30:55	Ionia	Total	31704	490038
2020/10/23 14:30:55	Iosco	Diagnostic	9410	374498
2020/10/23 14:30:55	Iosco	Serology	228	9074
2020/10/23 14:30:55	Iosco	Total	9638	383571
2020/10/23 14:30:55	Iron	Diagnostic	10100	912706
2020/10/23 14:30:55	Iron	Serology	36	3253
2020/10/23 14:30:55	Iron	Total	10136	915959
2020/10/23 14:30:55	Isabella	Serology	627	8974
2020/10/23 14:30:55	Isabella	Diagnostic	16988	243130
2020/10/23 14:30:55	Isabella	Total	17615	252104
2020/10/23 14:30:55	Jackson	Serology	1671	10542
2020/10/23 14:30:55	Jackson	Diagnostic	85048	536547
2020/10/23 14:30:55	Jackson	Total	86719	547089
2020/10/23 14:30:55	Kalamazoo	Diagnostic	113255	427271
2020/10/23 14:30:55	Kalamazoo	Serology	3484	13144
2020/10/23 14:30:55	Kalamazoo	Total	116739	440415
2020/10/23 14:30:55	Kalkaska	Diagnostic	7609	421832
2020/10/23 14:30:55	Kalkaska	Serology	181	10034
2020/10/23 14:30:55	Kalkaska	Total	7790	431866
2020/10/23 14:30:55	Kent	Diagnostic	328358	499818
2020/10/23 14:30:55	Kent	Serology	19258	29314
2020/10/23 14:30:55	Kent	Total	347616	529132
2020/10/23 14:30:55	Keweenaw	Diagnostic	805	380435
2020/10/23 14:30:55	Keweenaw	Serology	19	8979
2020/10/23 14:30:55	Keweenaw	Total	824	389414
2020/10/23 14:30:55	Lake	Diagnostic	4243	357968
2020/10/23 14:30:55	Lake	Serology	125	10546
2020/10/23 14:30:55	Lake	Total	4368	368514
2020/10/23 14:30:55	Lapeer	Serology	1750	19976
2020/10/23 14:30:55	Lapeer	Diagnostic	23715	270698
2020/10/23 14:30:55	Lapeer	Total	25465	290673
2020/10/23 14:30:55	Leelanau	Serology	299	13740
2020/10/23 14:30:55	Leelanau	Diagnostic	5201	239006
2020/10/23 14:30:55	Leelanau	Total	5500	252746
2020/10/23 14:30:55	Lenawee	Diagnostic	34604	351484
2020/10/23 14:30:55	Lenawee	Serology	959	9741
2020/10/23 14:30:55	Lenawee	Total	35563	361225
2020/10/23 14:30:55	Livingston	Diagnostic	71188	370780
2020/10/23 14:30:55	Livingston	Serology	4881	25423
2020/10/23 14:30:55	Livingston	Total	76069	396203

2020/10/23 14:30:55	Luce	Diagnostic	2181	350136
2020/10/23 14:30:55	Luce	Serology	35	5619
2020/10/23 14:30:55	Luce	Total	2216	355755
2020/10/23 14:30:55	Mackinac	Diagnostic	3107	287712
2020/10/23 14:30:55	Mackinac	Serology	63	5834
2020/10/23 14:30:55	Mackinac	Total	3170	293546
2020/10/23 14:30:55	Macomb	Serology	31342	35862
2020/10/23 14:30:55	Macomb	Diagnostic	296022	338709
2020/10/23 14:30:55	Macomb	Total	327364	374570
2020/10/23 14:30:55	Manistee	Diagnostic	7802	317697
2020/10/23 14:30:55	Manistee	Serology	380	15474
2020/10/23 14:30:55	Manistee	Total	8182	333170
2020/10/23 14:30:55	Marquette	Diagnostic	44959	674058
2020/10/23 14:30:55	Marquette	Serology	960	14393
2020/10/23 14:30:55	Marquette	Total	45919	688451
2020/10/23 14:30:55	Mason	Diagnostic	12873	441703
2020/10/23 14:30:55	Mason	Serology	506	17362
2020/10/23 14:30:55	Mason	Total	13379	459065
2020/10/23 14:30:55	Mecosta	Diagnostic	16438	378294
2020/10/23 14:30:55	Mecosta	Serology	501	11530
2020/10/23 14:30:55	Mecosta	Total	16939	389823
2020/10/23 14:30:55	Menominee	Diagnostic	7701	338060
2020/10/23 14:30:55	Menominee	Serology	46	2019
2020/10/23 14:30:55	Menominee	Total	7747	340079
2020/10/23 14:30:55	Midland	Diagnostic	17967	216064
2020/10/23 14:30:55	Midland	Serology	2310	27779
2020/10/23 14:30:55	Midland	Total	20277	243843
2020/10/23 14:30:55	Missaukee	Serology	147	9724
2020/10/23 14:30:55	Missaukee	Diagnostic	3811	252084
2020/10/23 14:30:55	Missaukee	Total	3958	261807
2020/10/23 14:30:55	Monroe	Diagnostic	48626	323096
2020/10/23 14:30:55	Monroe	Serology	2681	17814
2020/10/23 14:30:55	Monroe	Total	51307	340910
2020/10/23 14:30:55	Montcalm	Diagnostic	28735	449771
2020/10/23 14:30:55	Montcalm	Serology	1138	17812
2020/10/23 14:30:55	Montcalm	Total	29873	467584
2020/10/23 14:30:55	Montmorency	Diagnostic	1891	202723
2020/10/23 14:30:55	Montmorency	Serology	150	16081
2020/10/23 14:30:55	Montmorency	Total	2041	218804
2020/10/23 14:30:55	Muskegon	Serology	1589	9155
2020/10/23 14:30:55	Muskegon	Diagnostic	81925	472011
2020/10/23 14:30:55	Muskegon	Total	83514	481166
2020/10/23 14:30:55	Newaygo	Diagnostic	18125	370049
2020/10/23 14:30:55	Newaygo	Serology	790	16129
2020/10/23 14:30:55	Newaygo	Total	18915	386178
2020/10/23 14:30:55	Oakland	Diagnostic	483593	384541
2020/10/23 14:30:55	Oakland	Serology	69018	54881
2020/10/23 14:30:55	Oakland	Total	552611	439423
2020/10/23 14:30:55	Oceana	Diagnostic	16128	609363
2020/10/23 14:30:55	Oceana	Serology	415	15680

2020/10/23 14:30:55	Oceana	Total	16543	625043
2020/10/23 14:30:55	Ogemaw	Diagnostic	5754	274039
2020/10/23 14:30:55	Ogemaw	Serology	200	9525
2020/10/23 14:30:55	Ogemaw	Total	5954	283564
2020/10/23 14:30:55	Ontonagon	Diagnostic	3718	650000
2020/10/23 14:30:55	Ontonagon	Serology	33	5769
2020/10/23 14:30:55	Ontonagon	Total	3751	655769
2020/10/23 14:30:55	Osceola	Diagnostic	9908	422336
2020/10/23 14:30:55	Osceola	Serology	363	15473
2020/10/23 14:30:55	Osceola	Total	10271	437809
2020/10/23 14:30:55	Oscoda	Diagnostic	1910	231768
2020/10/23 14:30:55	Oscoda	Serology	89	10800
2020/10/23 14:30:55	Oscoda	Total	1999	242568
2020/10/23 14:30:55	Otsego	Serology	330	13378
2020/10/23 14:30:55	Otsego	Diagnostic	5549	224947
2020/10/23 14:30:55	Otsego	Total	5879	238325
2020/10/23 14:30:55	Ottawa	Diagnostic	136622	468156
2020/10/23 14:30:55	Ottawa	Serology	5769	19768
2020/10/23 14:30:55	Ottawa	Total	142391	487924
2020/10/23 14:30:55	Presque Isle	Diagnostic	2542	201874
2020/10/23 14:30:55	Presque Isle	Serology	155	12309
2020/10/23 14:30:55	Presque Isle	Total	2697	214184
2020/10/23 14:30:55	Roscommon	Serology	328	13656
2020/10/23 14:30:55	Roscommon	Diagnostic	7581	315625
2020/10/23 14:30:55	Roscommon	Total	7909	329281
2020/10/23 14:30:55	Saginaw	Diagnostic	98623	517600
2020/10/23 14:30:55	Saginaw	Serology	2900	15220
2020/10/23 14:30:55	Saginaw	Total	101523	532820
2020/10/23 14:30:55	Sanilac	Diagnostic	15954	387515
2020/10/23 14:30:55	Sanilac	Serology	519	12606
2020/10/23 14:30:55	Sanilac	Total	16473	400121
2020/10/23 14:30:55	Schoolcraft	Diagnostic	2279	281567
2020/10/23 14:30:55	Schoolcraft	Serology	47	5807
2020/10/23 14:30:55	Schoolcraft	Total	2326	287373
2020/10/23 14:30:55	Shiawassee	Diagnostic	26008	381786
2020/10/23 14:30:55	Shiawassee	Serology	1623	23825
2020/10/23 14:30:55	Shiawassee	Total	27631	405611
2020/10/23 14:30:55	St Clair	Diagnostic	44667	280699
2020/10/23 14:30:55	St Clair	Serology	4437	27883
2020/10/23 14:30:55	St Clair	Total	49104	308582
2020/10/23 14:30:55	St Joseph	Serology	779	12778
2020/10/23 14:30:55	St Joseph	Diagnostic	22834	374549
2020/10/23 14:30:55	St Joseph	Total	23613	387327
2020/10/23 14:30:55	Tuscola	Diagnostic	26037	498363
2020/10/23 14:30:55	Tuscola	Serology	801	15332
2020/10/23 14:30:55	Tuscola	Total	26838	513695
2020/10/23 14:30:55	Unknown	Diagnostic	243279	
2020/10/23 14:30:55	Unknown	Serology	19551	
2020/10/23 14:30:55	Unknown	Total	262830	
2020/10/23 14:30:55	Van Buren	Diagnostic	37480	495263

2020/10/23 14:30:55	Van Buren	Serology	730	9646
2020/10/23 14:30:55	Van Buren	Total	38210	504909
2020/10/23 14:30:55	Washtenaw	Diagnostic	188616	513100
2020/10/23 14:30:55	Washtenaw	Serology	11147	30324
2020/10/23 14:30:55	Washtenaw	Total	199763	543423
2020/10/23 14:30:55	Wayne	Serology	45648	41355
2020/10/23 14:30:55	Wayne	Diagnostic	505213	457698
2020/10/23 14:30:55	Wayne	Total	550861	499053
2020/10/23 14:30:55	Wexford	Diagnostic	10733	319140
2020/10/23 14:30:55	Wexford	Serology	366	10883
2020/10/23 14:30:55	Wexford	Total	11099	330023

PUBLIC USE DATASETS

Diagnostic Tests by Result and County

README

Data include diagnostic tests for COVID-19 by date and county.

Diagnostic tests are used to find current infection and look for genes or proteins from the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), the virus that causes COVID-19. These tests, which are performed as nasal swabs, include: Nucleic acid amplification test/real-time polymerase chain reaction (NAAT/RT-PCR) test and rapid virus antigen detection point of care (POC) tests.

Correctional includes state and federal prisons and county and city detention facilities. Testing data represents total tests performed, not individuals tested. A single individual may have more than one test completed.

The total number of positive tests may exceed the number of confirmed cases due to 1) a single individual may have more than one test performed; 2) MDHHS may receive data on positive tests in advance of a local health department classifying an individual as a confirmed or probable case, and 3) although efforts have been made to deduplicate testing data, some duplication may occur.

DIAGNOSTIC TESTS BY RESULT AND COUNTY 2020-10-23

MessageDate	COUNTY	Negative	Positive	Total
10/22/2020	Alcona	25	1	26
10/22/2020	Alger	11	0	11
10/22/2020	Allegan	355	32	387
10/22/2020	Alpena	23	0	23
10/22/2020	Antrim	31	0	31
10/22/2020	Arenac	45	2	47
10/22/2020	Baraga	39	6	45
10/22/2020	Barry	157	15	172
10/22/2020	Bay	683	27	710
10/22/2020	Benzie	86	4	90
10/22/2020	Berrien	1037	83	1120
10/22/2020	Branch	329	12	341
10/22/2020	Calhoun	989	124	1113
10/22/2020	Cass	314	18	332
10/22/2020	Charlevoix	132	0	132
10/22/2020	Cheboygan	53	0	53
10/22/2020	Chippewa	47	0	47
10/22/2020	Clare	46	4	50
10/22/2020	Clinton	169	3	172
10/22/2020	Correctional	3676	9	3685
10/22/2020	Crawford	20	3	23
10/22/2020	Delta	145	25	170
10/22/2020	Detroit City	2321	60	2381
10/22/2020	Dickinson	83	15	98
10/22/2020	Eaton	307	11	318
10/22/2020	Emmet	89	3	92
10/22/2020	Genesee	1283	124	1407
10/22/2020	Gladwin	181	3	184
10/22/2020	Gogebic	194	12	206
10/22/2020	Grand Traverse	271	30	301
10/22/2020	Gratiot	246	1	247
10/22/2020	Hillsdale	171	15	186
10/22/2020	Houghton	343	25	368
10/22/2020	Huron	119	4	123
10/22/2020	Ingham	768	41	809
10/22/2020	Ionia	1569	123	1692
10/22/2020	Iosco	58	0	58
10/22/2020	Iron	62	13	75
10/22/2020	Isabella	183	14	197
10/22/2020	Jackson	800	50	850
10/22/2020	Kalamazoo	1336	132	1468
10/22/2020	Kalkaska	47	1	48
10/22/2020	Kent	4122	308	4430
10/22/2020	Keweenaw	14	0	14
10/22/2020	Lake	25	1	26
10/22/2020	Lapeer	431	19	450
10/22/2020	Leelanau	50	0	50

10/22/2020	Lenawee	569	24	593
10/22/2020	Livingston	690	39	729
10/22/2020	Luce	11	1	12
10/22/2020	Mackinac	44	3	47
10/22/2020	Macomb	2776	289	3065
10/22/2020	Manistee	748	6	754
10/22/2020	Marquette	705	72	777
10/22/2020	Mason	129	10	139
10/22/2020	Mecosta	182	8	190
10/22/2020	Menominee	91	3	94
10/22/2020	Midland	535	20	555
10/22/2020	Missaukee	21	0	21
10/22/2020	Monroe	668	30	698
10/22/2020	Montcalm	447	15	462
10/22/2020	Montmorency	5	1	6
10/22/2020	Muskegon	1434	88	1522
10/22/2020	Newaygo	258	15	273
10/22/2020	Oakland	5121	318	5439
10/22/2020	Oceana	426	24	450
10/22/2020	Ogemaw	23	1	24
10/22/2020	Ontonagon	72	1	73
10/22/2020	Osceola	79	11	90
10/22/2020	Oscoda	6	0	6
10/22/2020	Otsego	52	9	61
10/22/2020	Ottawa	1677	123	1800
10/22/2020	Presque Isle	19	0	19
10/22/2020	Roscommon	56	3	59
10/22/2020	Saginaw	1255	80	1335
10/22/2020	Sanilac	253	8	261
10/22/2020	Schoolcraft	70	1	71
10/22/2020	Shiawassee	247	18	265
10/22/2020	St Clair	514	41	555
10/22/2020	St Joseph	353	25	378
10/22/2020	Tuscola	369	14	383
10/22/2020	Unknown	1873	65	1938
10/22/2020	Van Buren	394	41	435
10/22/2020	Washtenaw	3655	93	3748
10/22/2020	Wayne	5182	315	5497
10/22/2020	Wexford	110	4	114